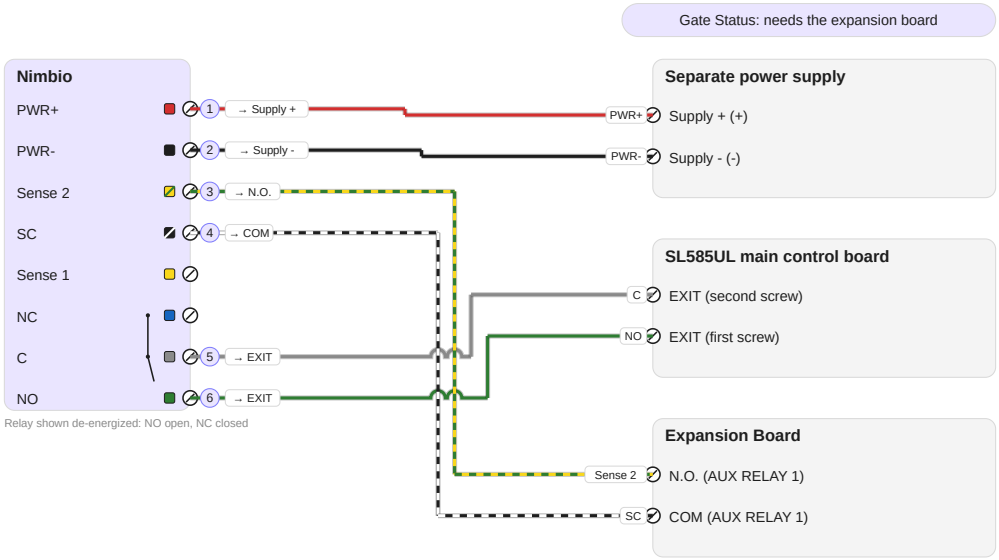
# Wiring guide: LiftMaster SL585UL

SL585UL main control board · Nimbio terminal strip: PWR+, PWR-, Sense 2, SC, Sense 1, NC, C, NO

> **Note:** This operator cannot supply enough continuous power for Nimbio. Use a separate 12–24V AC or DC power supply.

Gate Status: requires the operator's expansion board.

No suitable output on your operator? A magnetic gate switch can report the gate's position instead: wire its two leads to Sense 1 and SC for fully closed, or to Sense 2 and SC for fully open. The switch must be a dry contact that puts out no power of its own; if yours puts out power, add a relay that turns it into a dry contact.




**Legend**

1. Nimbio PWR+ (red) → Supply + (+) on the Separate power supply
2. Nimbio PWR- (black) → Supply - (-) on the Separate power supply
3. Nimbio Sense 2 (yellow/green stripe) → N.O. (AUX RELAY 1) on the Expansion Board
4. Nimbio SC (black/white stripe) → COM (AUX RELAY 1) on the Expansion Board
5. Nimbio C (grey) → EXIT (second screw) on the SL585UL main control board
6. Nimbio NO (green) → EXIT (first screw) on the SL585UL main control board

Setting: three switches = OFF, OFF, ON (Open Limit Switch) (Expansion Board, AUX RELAY 1 switches 1, 2, 3)

NC: Not used

Sense 1: Not used

**Cautions**

Power Nimbio from a separate 12-24 V AC or DC power supply, not from the operator board. The board's accessory output is rated 500 mA, but Nimbio installations powered from this board have had unstable power.

Sense-line polarity does not depend on the wiring. Nimbio maps each sense line's triggered and untriggered state to an Open or Closed label after installation. If Gate Status shows the opposite of the physical gate, contact Nimbio support to have the labels switched; no rewiring is needed.

**Wire colors**

PWR+ — red

PWR- — black

Sense 2 — yellow/green stripe

SC — black/white stripe

Sense 1 — yellow

NC — blue

C — grey

NO — green

## Connections

| Nimbio terminal | Operator terminal | Number | Board |
|---|---|---|---|
| PWR+ | Supply + | + | Separate power supply |
| PWR- | Supply - | - | Separate power supply |
| Sense 2 | N.O. | AUX RELAY 1 | Expansion Board |
| SC | COM | AUX RELAY 1 | Expansion Board |
| Sense 1 | Not used | — | — |
| NC | Not used | — | — |
| C | EXIT | second screw | SL585UL main control board |
| NO | EXIT | first screw | SL585UL main control board |

## Settings on the operator

three switches: OFF, OFF, ON (Open Limit Switch) (Expansion Board, AUX RELAY 1 switches 1, 2, 3)